Info-Hams Digest   Sat, 12 Feb 94   Volume 94 : Issue 141

Today's Topics:
          Copying High-Speed CW: Print or Script? (2 msgs)
                  Do NiMH Batteries Dev. Memories?
                             FT470
                     Icom IC-W21AT Mods
                  Looking for LOGIKEY keyer
               Microwave oven shielding (2 msgs)
               Nude amateur radio clubs (2 msgs)
                  Peter Island activity info
                      Vertical Antennas

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Mike Gauland (gaulandm@tekig7.PEN.TEK.COM) wrote:
: A mailing I read is involved in a comparision of the speeds of
: printing and cursive writing. I decided to consult some experts.
: So, all you high-speed CW ops, which do _you_ use?

Try it! Take some text (newspaper or whatever) and see how fast you
can copy it down both ways. Personally I find that over about 25 wpm
I have to switch over to cursive writing.

AL N1AL

Greetings -

If you want to answer this yourself try printing upper-case 'E' and then
print lower-case 'e' - big difference time wise !! Now you know that
printing in 'caps' is not the way to do it.

Next limit yourself to printing lower-case characters and print lower-case
'e' many times - see how many you print in 15 seconds. Repeat this using
cursive and you have the answer. Every time you have to lift the pen
from the paper it slows you down....

I could not print fast enough to pass the code test at 20wpm using
upper-case printing (I use upper-case block printing because my cursive
writing is so bad that most people have a hard time reading it) so I
converted to cursive when copying >20wpm.

Once you are comfortable copying hi speed CW you will just 'read' it in
your head and only list things on paper like the persons name and
address.

Good luck

de w7wkr
sk

Mike Gauland (gaulandm@teig7.PEN.TEK.COM) wrote:
: A mailing I read is involved in a comparision of the speeds of
: printing and cursive writing. I decided to consult some experts.
: So, all you high-speed CW ops, which do _you_ use?

: 73,
: mag

: --
: Michael A. Gauland gaulandm@tekig7.PEN.TEK.COM
: AA7JF   (503) 627-5067

In article <1994Feb8.203847.1@ccsvax.sfasu.edu>, f_riskph@ccsvax.sfasu.edu (DR.
PAUL H. RISK, COLLEGE OF FORESTRY) writes:
> Do NiMH batteries develop a *memory* like NiCads do if they are recharged too
> often before they're fully discharged?

NiCd batteries don't do this. Charge memory isn't caused by recharging too
soon. It is caused by repeatedly discharging to the same depth and then
recharging.

Even so, the construction of modern NiCds is such that it is extremely difficult
to produce the memory effect. 20 years ago, it was much easier.

The only instances of NiCd memory I'm aware of involved Police HTs which were
used for a fixed period (1-3 hours), then tossed back into the charger at
the station. Since the period was repeated over and over again, the batteries
eventually got "used" to that charge level. After about 100 such cycles,
if you tried to use them longer, the voltage dropped off rather quickly.

A good example of why NiCd memory is a myth. I have an electric razor that
I've used for 12 years. That's thousands of charge cycles to the same
depth. Yet the razor still works fine. The NiCds have outlasted the wiring
to the razor motor (which I've repaired about 15 or so times).

The best thing you can do about NiCd memory is to forget it.

Two rules for long NiCd life: don't overheat them by overcharging; don't
discharge them too deeply, or you may get cell reversal in the pack.

----

camelot.bradley.edu!not-for-mail@network.ucsd.edu
Subject: FT470
To: info-hams@ucsd.edu

Can anyone e-mail the mods for the Ft-470 to increase the transmit and recieve
rranges? I know to increase the transmit it is the removal of a jumper and to
increase the recieve it is only a series of button pushes.
Any help is appreciated
thanks
Geoff
KB9DUX
crakrz@camelot.bradley.edu

Date: Fri, 11 Feb 1994 13:13:00 GMT
From: agate!iat.holonet.net!kbsbbs!clinton.peebles@network.ucsd.edu
Subject: Icom IC-W21AT Mods
To: info-hams@ucsd.edu

Does anyone know what the mods are for the Icom IC-W21AT Handheld?

Thanks.   Clinton VE7KNL
          Clinton.Peebles@kbsbbs.com

 * QMPro 1.52 * I'd give my right arm to be ambidextrous..

Date: 11 Feb 94 15:56:26
From: agate!msuinfo!netnews.upenn.edu!mipg.upenn.edu!yee@ames.arpa
Subject: Looking for LOGIKEY keyer
To: info-hams@ucsd.edu

>Is this an Iambic keyer or a regular keyer. I haven't used an iambic
>keyer (saw one once) but it seems like it'll take relearning.

It is an iambic keyer. Fairly full featured.

>Is it worth it?

I don't know since I have never used any others. I was attracted to
this keyer because it is available in kit form. I didn't want to
simply buy it.

The article describing the keyer is in QST and in recent issues
of the ARRL handbook. It describes an earlier version of the

software. The new version adds emulation of Accukeyer and Curtis "A"
etc. Memory dot and dash is now configurable. There are several
other enhancements as well.

The online manual is available for free from Idiom Press with
a formatted diskette and mailer. I know. I got it when I
bought the kit and converted it to Latex.

--
Medical Image Processing Group | Conway Yee, N2JWQ
411 Blockley Hall | EMAIL : yee@mipg.upenn.edu
418 Service Drive | VOICE : 1 (215) 662-6780
Philadelphia, PA 19104-6021 (USA) | FAX   : 1 (215) 898-9145

Date: 9 Feb 1994 19:26:41 GMT
From: nntp.ucsb.edu!library.ucla.edu!csulb.edu!nic-nac.CSU.net!usc!
howland.reston.ans.net!europa.eng.gtefsd.com!news.umbc.edu!haven.umd.edu!
cs.umd.edu!mojo.eng.umd.edu!chuck@network.ucsd.
Subject: Microwave oven shielding
To: info-hams@ucsd.edu

In article <horak.760812890@convex.com> horak@convex.com (David Horak) writes:
>I have a question to ask. While playing with my new Tropez 90 MHz phone
>the other day, I tried putting it into both of my microwaves (no I didn't
>nuke the phone :') and I guess I expected the shielding to cut off the
>signal, thereby causing the out of range indicator to beep. The phone
>was still able to communicate with the base. If the microwave cannot
>attenuate 900 MHz, is it really attenuating the GHz stuff? Would
>someone care to comment on the type shielding used in these ovens?

The biggest source of leakage in a microwave oven is the door seal. Modern
microwaves use what is called a "choke" seal. It is a tuned, narrow width,
groove formed into the outer edge of the door. The choke seal used is only
effective at frequencies greater than 2 GHz. There is also an upper freq
limit.

Microwaves leak bunches of RF inspite of these seals. Tune a receiver
to around 2450, and you will hear some of the trashiest RF.

```
------
Chuck Harris - WA3UQV
chuck@eng.umd.edu
```

```
Date: Fri, 11 Feb 1994 03:24:34 GMT
From: agate!howland.reston.ans.net!vixen.cso.uiuc.edu!milo.mcs.anl.gov!
ANLVM.CTD.ANL.GOV!B10990@ames.arpa
Subject: Microwave oven shielding
To: info-hams@ucsd.edu

In article <2jbddh$7ja@mojo.eng.umd.edu>
chuck@eng.umd.edu (Chuck Harris - WA3UQV) writes:


>
>In article <horak.760812890@convex.com> horak@convex.com (David Horak) writes:
>>I have a question to ask.  While playing with my new Tropez 90 MHz phone
>>the other day, I tried putting it into both of my microwaves (no I didn't
>>nuke the phone :')  and I guess I expected the shielding to cut off the
>>signal, thereby causing the out of range indicator to beep.  The phone
>>was still able to communicate with the base.  If the microwave cannot
>>attenuate 900 MHz, is it really attenuating the GHz stuff?  Would
>>someone care to comment on the type shielding used in these ovens?
>
>The biggest source of leakage in a microwave oven is the door seal.  Modern
>microwaves use what is called a "choke" seal.  It is a tuned, narrow width,
>groove formed into the outer edge of the door.  The choke seal used is only
>effective at frequencies greater than 2 GHz.  There is also an upper freq
>limit.
>
>Microwaves leak bunches of RF inspite of these seals.  Tune a receiver
>to around 2450, and you will hear some of the trashiest RF.
>
>
>------
>Chuck Harris - WA3UQV
>chuck@eng.umd.edu
-------------------------------------------------------
I haven't tried this, but remember that a receiver is orders of
magnitude more sensitive than the permitted leakage of an oven.
The oven can leak up to 5 mW/cm^2 at 5 cm, while a good receiver
can detect femtowatts.

--Gary K9CZB
```

Date: Thu, 10 Feb 94 17:12:18 GMT
From: dtint!allenw1.dtint.com!allen@uunet.uu.net
Subject: Nude amateur radio clubs
To: info-hams@ucsd.edu

In article <gdavis.760825204@griffin> Gary Davis, gdavis@griffin.uvm.edu
writes:
> I heard a strange story on the CBC last evening. The report was on
>the increasing interest in nudism in the Winter months. To promote
>this festive and relaxing activity additional interests where specified.
>
>There is, according to the CBC, a nudist amateur radio club.
>
>I am wondering where, how many members? Anybody know anything about this?

There might be, but I bet that they are all OMs and no YLs or XYLs!
--

Tom Kimpton(System Administrator)   {root,tom}@dtint.dtint.com
Digital Technology Int.   (801)226-2984
500 W. 1200 South, Orem UT, 84057   FAX (801) 226-8438

Date: 11 Feb 1994 17:51:36 GMT
From: elroy.jpl.nasa.gov!sdd.hp.com!vixen.cso.uiuc.edu!howland.reston.ans.net!
europa.eng.gtefsd.com!news.umbc.edu!eff!news.kei.com!world!hopscotch.ksr.com!
jfw@ames.arpa
Subject: Nude amateur radio clubs
To: info-hams@ucsd.edu

jimc@megatek.com (Jim Campbell) writes:
> BTW, hams in the nudist/naturist "community" have noticed a far higher
>per capita ham population among nudists/naturists than in the general
>population. Wonder why that is?

Why, it's obvious. The same CC&Rs that ban antennas also ban nudity.

  :-)

Date: 11 Feb 1994 17:12:58 -0500
From: elroy.jpl.nasa.gov!sdd.hp.com!nigel.msen.com!garnet.msen.com!not-for-
mail@ames.arpa
Subject: Peter Island activity info
To: info-hams@ucsd.edu

The following information on the Peter Island DXpedition's recent
activity is furnished by the Great Lakes Packet Cluster and
Bob Berquist (NC8I).

The format should be self-exaplanitory...


```
DX de KJ6NZ:     21295.0  3Y0PI       QSX 21319.81                    0205Z
02/03/9402:12:20
DX de K3HSK:     14195.0  3Y0PI       working 2's 5x9 in PA           0219Z
02/03/9402:13:46
DX de W9YSX:     10105.0  3Y0PI                                       0211Z
02/03/9402:21:02
DX de NI3B:      14195.0  3Y0PI       now on 2s...                    0216Z
02/03/9402:21:31
DX de K8IP:      14025.0  3Y0PI       WRKD 14035.0                    0220Z
02/03/9402:23:13
DX de WB6YPX:    10104.0  3Y0PI       UP 2                            0220Z
02/03/9402:23:51
DX de K5FNQ:     21295.0  3Y0PI       working 0's and 9's now         0219Z
02/03/9402:26:56
DX de KB8MUV:    14195.0  3Y0PI       ON 3'S                          0236Z
02/03/9402:34:18
DX de N8GNA:     21290.0  3Y0PI                                       0239Z
02/03/9402:36:19
DX de KR8V:      14024.0  3Y0PI       WRKD 14039.5                    0242Z
02/03/9402:37:55
DX de N8OAR:     14195.0  3Y0PI       wrking 4's now                  0248Z
02/03/9402:44:51
DX de K8LJG:     10102.9  3Y0PI       Qsx up 5 khz                    0259Z
02/03/9402:54:57
DX de K8JP:      14023.5  3Y0PI       QSX 14034.30                    0301Z
02/03/9403:02:18
DX de W3OO:      10103.0  3Y0PI          worked 10110                 0316Z
02/03/9403:12:09
DX de WB9SAU:    14195.0  3Y0PI        200-220  ON 8'S   THEN   9'S!  0322Z
02/03/9403:19:26
DX de KB8LM:     14195.0  3Y0PI                                       0330Z
02/03/9403:26:15
DX de K8JP:      10102.7  3Y0PI       QSX 10110.20 8'S                0332Z
02/03/9403:32:18
DX de WB9CIF:    14195.0  3Y0PI       WRKED 14219.6                   0341Z
02/03/9403:41:10
DX de K3TLP:     10102.7  3Y0PI          0 's now                     0346Z
02/03/9403:52:10
DX de K3TLP:     10102.7  3Y0PI          6 's  now                    0401Z
02/03/9404:06:01
```

```
DX de K8IP:      10103.0  3Y0PI      FREE FOR ALL WRKD 113        0412Z
02/03/9404:13:32
DX de K8JJC:     14023.8  3Y0PI      "UP"                         0458Z
02/03/9404:54:30
DX de K8JJC:     14195.0  3Y0PI      QSX 200/210. STILL S9 HR.    0505Z
02/03/9405:01:41
DX de KW0L:      14195.0  3Y0PI      up 200-210                   0602Z
02/03/9406:01:32
DX de KA9LTR:    10102.9  3Y0PI      up 5 kHz.                    0727Z
02/03/9407:22:59
DX de KE9ET:     14195.0  3Y0PI      "STILL GOING"                0906Z
02/03/9409:05:29
DX de KJ8G:      14195.0  3Y0PI      ON 8'S                       1020Z
02/03/9410:16:36
DX de NN9G:      14025.0  3Y0PI      wrk 037                      0215Z
02/04/9402:12:59
DX de KC8PG:      7007.0  3Y0PI      EU-ONLY                      0222Z
02/04/9402:17:53
DX de KU8U:      14025.0  3Y0PI      UP 14040.9 EZ                0232Z
02/04/9402:28:26
DX de WV1R:     145890.0  3Y0PI      AO-13 Mode B                 0234Z
02/04/9402:31:35
DX de AF8N:      14196.1  3Y0PI      Now on 8s                    0240Z
02/04/9402:34:35
DX de WB9QPG:   145890.1  V98AWU     NOT 3Y0PI                    0246Z
02/04/9402:47:43
DX de WA8OSE:    10109.1  3Y0PI      QSX 10122.00                 0322Z
02/04/9403:25:58
DX de N9AR:      14196.0  3Y0PI        got him at 14203.4         0323Z
02/04/9403:30:01
DX de W8ILC:     14024.7  3Y0PI      WKD AT 050 2ND CALL          0327Z
02/04/9403:33:59
DX de KF8RW:     14025.0  3Y0PI      wrkd 14.03950                0341Z
02/04/9403:39:48
DX de NW3C:       7007.0  3Y0PI      loud but wrking eu only      0356Z
02/04/9403:56:27
DX de W8IQ:       7005.5  Z21HS      FOR THOSE BORED WITH 3Y0PI   0419Z
02/04/9404:15:15
DX de AA8BE:     10108.0  3Y0PI                                   0459Z
02/04/9404:53:49
DX de AA8BE:     10109.0  3Y0PI      QRX 10.123                   0459Z
02/04/9404:54:35
DX de K8JP:       7022.0  3Y0PI      MOVING HR                    0456Z
02/04/9405:06:59
DX de KB8BS:     10109.2  3Y0PI      WRKD AT .116.95              0509Z
02/04/9405:07:55
DX de W9KIA:      7024.2  3Y0PI      QSX 7028.70                  0536Z
02/04/9405:34:58
```

```
DX de W9SZ:        7024.0  3Y0PI        N W3'S NOW                    0613Z
02/04/9406:11:22
DX de KJ8G:       14195.0  3Y0PI                                      0750Z
02/04/9407:45:05
DX de KJ8G:        7038.0  3Y0PI        RX 5155 ON 8'SS               0949Z
02/04/9409:44:19
DX de KC8PG:       7038.0  3Y0PI        QSX 7155, TNX RICK FIRST SPOT 0959Z
02/04/9409:55:27
DX de KB9CRY:      7038.0  3Y0PI        qsx 7175, by #s               1021Z
02/04/9410:16:25
DX de WB8VPA:      7038.0  3Y0PI        qsx 7175                      1019Z
02/04/9410:32:45
DX de K3GGN:       7038.1  3Y0PI        midwest now qsx 7.175         1103Z
02/04/9410:59:03
DX de WO9Z:       21294.0  3Y0PI        QSX 21313                     0051Z
02/05/9400:48:17
DX de W9GCW:      14195.0  3Y0PI                                      0100Z
02/05/9400:58:17
DX de W8IQ:       14195.2  3Y0PI        ON 3'S NORM 4'S THEN 8'S      0133Z
02/05/9401:29:50
DX de W8AH:       14195.0  3Y0PI          on 4s                      0144Z
02/05/9401:42:19
DX de KB8LM:      14195.0  3Y0PI                                      0204Z
02/05/9401:58:57
DX de KB8LM:      14195.0  3Y0PI        QSX 14219.60                  0222Z
02/05/9402:17:11
DX de K8JJC:       7024.1  3Y0PI        WRKD UP 5.9                   0228Z
02/05/9402:22:31
DX de NO9Z:        7024.0  3Y0PI        up                           0228Z
02/05/9402:29:41
DX de NE8J:       14195.0  3Y0PI        WRK'D AT 14210.9              0235Z
02/05/9402:32:42
DX de WD8LLD:      7024.3  3Y0PI        wkd 7031.1                    0230Z
02/05/9402:33:47
DX de KA6A:        7024.0  3Y0PI        back agn                     0238Z
02/05/9402:39:01
DX de KS9Y:       14195.0  3Y0PI        qsx 14202.1                  0246Z
02/05/9402:41:50
DX de N9CMB:      14196.0  3Y0PI        QSX 14.205.0                 0246Z
02/05/9402:45:16
DX de WA8OSE:      7036.4  3Y0PI        QSX 7036.00                  0306Z
02/05/9403:03:27
DX de WA8OSE:      7024.1  3Y0PI        QSX 7036.00 sri              0307Z
02/05/9403:08:10
DX de WB9IIQ:      3507.0  3Y0PI                                      0330Z
02/05/9403:28:13
DX de N9US:      145887.0  3Y0PI        AO-13 - QSX 435.501.0         0402Z
02/05/9404:00:08
```

```
DX de N9BMS:      3507.0  3Y0PI                                    0403Z
02/05/9404:02:06
DX de W9ZRX:      7024.1  3Y0PI      QSX 7040.60                   0523Z
02/05/9405:34:52
DX de AA9AA:      7024.1  3Y0PI      up, strong!!                  0539Z
02/05/9405:35:38
DX de K8JP:       7023.8  3Y0PI      QSX 7040.70                   0551Z
02/05/9405:49:40
DX de K8JJC:      3507.1  3Y0PI      NOW ON E.U.                   0635Z
02/05/9406:29:32
DX de KA9ZAP:     7024.0  3Y0PI      WORKED AT 7043.8              0644Z
02/05/9406:40:59
DX de WG8M:       7022.2  3Y0PI      UP 5                          0804Z
02/05/9408:00:05
DX de WA9IVU:    14195.0  3Y0PI      QRZ EUROPE 200 UP             1116Z
02/05/9411:12:14
DX de WA8RXI:    14195.0  3Y0PI      QSX 210 All                   1119Z
02/05/9411:14:27
DX de KB8O:       7007.2  3Y0PI      QSX UP                        1125Z
02/05/9411:23:31
DX de K8UNV:     14195.0  3Y0PI       WKD  202.5                   1132Z
02/05/9411:28:27
DX de WT8R:      14195.0  3Y0PI      QSX 14220.0                   1154Z
02/05/9411:56:33
DX de AA9JY:     14195.0  3Y0PI      listening right on 14.220    1204Z
02/05/9411:59:43
DX de N4VGI:     14195.0  3Y0PI      WRK 14217                     1227Z
02/05/9412:28:21
DX de WD8O:      14194.8  3Y0PI      worked at .2199               1247Z
02/05/9412:42:24
DX de KE9ET:     21295.0  3Y0PI                                    1311Z
02/05/9413:08:24
DX de K3OTY:     18141.0  3Y0PI      his freq                      1350Z
02/05/9413:54:05
DX de W9UI:      18141.9  3Y0PI      qsx 148                       1407Z
02/05/9414:02:09
DX de W9UI:      21294.9  3Y0PI      working EU                    1409Z
02/05/9414:05:42
DX de WK3N:      18141.6  3Y0PI       qsx 148                      1405Z
02/05/9414:10:06
DX de KB8EU:     28475.0  3Y0PI      480-490                       1523Z
02/05/9415:19:32
DX de KB8EU:     28487.8  3Y0PI      worked 487.8                  1539Z
02/05/9415:35:09
DX de NE8Z:      21295.0  3Y0PI                                    1602Z
02/05/9415:57:34
DX de WA0FLS:    28475.0  3Y0PI      wrked 489.2                   1558Z
02/05/9415:59:24
```

```
DX de NI8K:      28474.7  3Y0PI      QSX 28492.12 Peter               1601Z
02/05/9415:59:42
DX de KR8V:      28474.8  3Y0PI      QSX 28479.99                     1611Z
02/05/9416:06:46
DX de NI8K:      21295.0  3Y0PI      QRT untill 1600                  1621Z
02/05/9416:19:33
DX de W9EDA:     21295.0  3Y0PI      300-310                          1702Z
02/05/9416:59:01
DX de WA0FLS:    28475.0  3Y0PI      still there-no numbers           1702Z
02/05/9417:02:45
DX de KJ8G:      28024.0  3Y0PI      QSX .030-.035                    1819Z
02/05/9418:13:35
DX de K8LJG:     18074.0  3Y0PI                                       1837Z
02/05/9418:32:43
DX de K8LJG:     28023.2  3Y0PI      Moved Freq                       2011Z
02/05/9420:07:16
DX de W8SEY:     28023.2  3Y0PI      WKD ON 28031.7                   2033Z
02/05/9420:27:24
DX de K8LJG:     28024.0  3Y0PI      QSY back up                      2032Z
02/05/9420:28:15
DX de W8SEY:     18073.9  3Y0PI      WKD 18088.3                      2144Z
02/05/9421:38:27
DX de WB8RNY:    14195.0  3Y0PI                                       2144Z
02/05/9421:39:58
DX de AA8HV:     18073.0  3Y0PI      wkd 18.087.0                     2209Z
02/05/9422:05:08
DX de AA8HV:     14195.0  3Y0PI      by numbers now 5's               2214Z
02/05/9422:09:47
DX de NE8Z:      18073.7  3Y0PI      18.085.0                         2219Z
02/05/9422:14:39
DX de WB8RJX:    21295.0  3Y0PI                                       2238Z
02/05/9422:33:48
DX de N8CLJ:     28024.0  3Y0PI      30-35                            2250Z
02/05/9422:45:27
DX de K1CMI:     28475.0  3Y0PI                                       2255Z
02/05/9422:51:49
DX de WD8NSD:    21295.0  3Y0PI      300-310 HE SED 40/80/160 SSB T   2302Z
02/05/9422:59:22
DX de WY2E:      14195.0  3Y0PI      wkd 202                          2301Z
02/05/9422:59:23
DX de AA3BK:     18086.4  3Y0PI       WRKED THIS FREQ                 2258Z
02/05/9423:04:45
DX de VE1EOS:    18073.6  3Y0PI      list up                         2315Z
02/05/9423:13:46
DX de AB0X:      28024.0  3Y0PI      WRKD ON 28034 IN 1 CALL, HONES   2316Z
02/05/9423:16:36
DX de WB6VGI:    21295.0  3Y0PI      wkh 306.5                        2312Z
02/05/9423:27:41
```

```
DX de 3Y0PI:     14195.0  WRKED       AT 14209.6                   2335Z
02/05/9423:30:52
DX de NE8Z:      14195.0  3Y0PI       TEMP -5C & HEAVY SNOW STORM   2345Z
02/05/9423:41:03
DX de W8KZM:     14195.0  3Y0PI        8'S NEXT AFTER BRIEF QRX FE  0000Z
02/05/9423:57:07
DX de W8KZM:     14195.0  3Y0PI        ON 8'S NOW                  0020Z
02/06/9400:17:58
DX de N8AC:      14195.1  3Y0PI       -AMAZING HE CALLED FOR 8`S NO 0045Z
02/06/9400:51:20
DX de N9CNS:    145888.8  3Y0PI       AO-13 up 5 to 10             0123Z
02/06/9401:21:46
DX de WD8NSD:     7000.0  3Y0PI       80MPH WINDS LOST 40M ANT     0741Z
02/06/9407:34:14
DX de W8TA:       3785.0  3Y0PI                                    1036Z
02/06/9410:32:46
DX de K9RHY:     28475.1  3Y0PI       TALKING NW     zPC30         1651Z
02/06/9417:18:35
DX de W9HUW:     28475.0  3Y0PI       LISTENING 480 UP             1735Z
02/06/9417:38:08
DX de KG9N:      28475.0  3Y0PI                                    1727Z
02/06/9417:41:15
DX de KB8LM:     28475.0  3Y0PI       56 HERE                      1752Z
02/06/9417:48:49
DX de K8NA-9:    28475.0  3Y0PI       WORKING 8's NOW              1837Z
02/05/9418:39:19
DX de KB8S-8:    21024.0  3Y0PI       UP 5                         1857Z
02/05/9418:58:57
DX de WG8M:      28021.6  3Y0PI       QSX UP                       1922Z
02/05/9419:23:03
DX de WS1A:      28475.0  3Y0PI       On 0s                        1927Z
02/05/9419:27:04
DX de N4YIC:     24940.0  3Y0PI       Seems to be working everyone 1924Z
02/05/9420:01:49
DX de K2SB:      28021.5  3Y0PI       wrkd 28.030.4                1925Z
02/05/9420:02:21
DX de AB5GU:     28475.0  3Y0PI       ON 5'S LOUD                  2008Z
02/05/9420:10:35
DX de W4ZYT:     24940.1  3Y0PI       Worked 24.955.1              1934Z
02/05/9420:19:57
DX de KA2YPT:    28021.6  3Y0PI       strong 5/9 up 5-15 wrked 026 2030Z
02/05/9420:31:33
DX de K5XI:      24894.0  3Y0PI       QSX 24900.00                 2034Z
02/05/9420:38:11
DX de KA1ERL:    14195.0  3Y0PI       200-220if u still need it    2045Z
02/05/9420:46:00
DX de KK2I:      18074.0  3Y0PI        UP                          2045Z
02/05/9420:48:19
```

```
DX de K3NW:      28031.3  3Y0PI         28029.8                        2018Z
02/05/9421:01:27
DX de KS9Z:      28021.5  3Y0PI     QSX 28031.67                       2105Z
02/05/9421:04:28
DX de VE3ZTH:    14024.0  3Y0PI                                        2110Z
02/05/9421:11:46
DX de WB8K:      28475.0  3Y0PI     on 8's  wrkd 488                   2119Z
02/05/9421:20:50
DX de N3AKD:     28021.0  3Y0PI      wkd 28.036.9                      2024Z
02/05/9421:20:51
DX de KS9Z:      21024.0  3Y0PI     QSX 21032.36                       2115Z
02/05/9421:21:41
DX de W4ZYT:     24894.4  3Y0PI     Wkd 24898.9                        2032Z
02/05/9421:23:08
DX de WB8OGM:    28021.6  3Y0PI     worked at 28031.11                 2125Z
02/05/9421:26:11
DX de K2GPL:     21024.0  3Y0PI     qsx 21033.1                        2122Z
02/05/9421:28:23
DX de VE3ZTH:    14195.0  3Y0PI     210-220                           2130Z
02/05/9421:31:54
DX de K3NL:      28475.0  3Y0PI      wking 6's                         2050Z
02/05/9421:39:28
DX de AA2GQ:     28475.0  3Y0PI     qsx 490                            2103Z
02/05/9421:44:52
DX de WQ3X:      28021.5  3Y0PI     QSX 042                            2105Z
02/05/9421:44:52
DX de KB8O:      21024.0  3Y0PI     QSX 21038.6 OOPS                   2142Z
02/05/9421:48:09
DX de N8BIB:     14195.0  3Y0PI        200-220                         2215Z
02/05/9422:17:17
DX de KA9LTR:    21023.8  3Y0PI     up                                2230Z
02/05/9422:32:45
DX de KG8AA:     14195.0  3Y0PI     SPLIT, 200-220, WITH EUROPEANS 2303Z
02/05/9423:05:39
DX de W3ZDF:     14195.0  3Y0PI     Wrkin Europe                      2343Z
02/05/9423:46:12
DX de KB2HZ:     28021.0  3Y0PI                                        2251Z
02/05/9423:48:30
DX de KB2HZ:     28021.8  3Y0PI     moved                             2252Z
02/05/9423:50:16
DX de WY8N:      28474.4  3Y0PI     ON .485                           2254Z
02/05/9423:55:05
DX de K3SA:      28021.0  3Y0PI     28.029.5                          2304Z
02/06/9400:00:01
DX de AC6V:      14194.9  3Y0PI     WRKING EUROPE                     2359Z
02/06/9400:02:45
DX de N8SFD:     14195.0  3Y0PI     QSX 200-210                       0002Z
02/06/9400:06:17
```

```
DX de WY8N:      28021.7  3Y0PI      XMT .029.5                  2309Z
02/06/9400:07:11
DX de AF8C:      14195.0  3Y0PI      qsyed to somewhere          0013Z
02/06/9400:14:04
DX de NE8Z:      14342.0  3Y0PI      PASSING TRAFFIC TO VP8      0019Z
02/06/9400:21:27
DX de NE8Z:      21076.0  3Y0PI      PACKTOR/STNS CONNECTED NOW  0031Z
02/06/9400:33:10
DX de AB9E:      14024.0  3Y0PI      UP & CALLING FOR EU         0041Z
02/06/9400:43:19
DX de WB8RJX:    21076.0  3Y0PI      FEC                         0111Z
02/06/9401:13:11
DX de NE8Z:      10113.5  3Y0PI      BOB/N4GCK                   0111Z
02/06/9401:13:18
DX de WV1R:      10101.4  3Y0PI      .118 up - on 3's            0155Z
02/06/9401:58:06
DX de AG8L:      14024.1  3Y0PI      wkd 033.0                   0227Z
02/06/9402:30:30
DX de K9ADJ:     14024.0  3Y0PI      SRI TYPO                    0303Z
02/06/9403:21:36
DX de WB9CIF:    10101.3  3Y0PI      WRKD 10117.7                0314Z
02/06/9403:25:34
DX de N9XX:      14024.0  3Y0PI      42.8                        0324Z
02/06/9403:30:19
DX de WV1R:       3785.0  3Y0PI      QSX 3800.00                 0338Z
02/06/9403:40:36
DX de WT8C:      14023.8  3Y0PI      QSX 14034.80                0351Z
02/06/9403:54:17
DX de WA9AKT:    10101.3  3Y0PI      10117.7 again!              0353Z
02/06/9403:56:27
DX de K8RC:      14023.9  3Y0PI      QSX 35.8                    0357Z
02/06/9404:03:53
DX de NZ9Z:      10101.3  3Y0PI      10117.7 AGAIN!!!            0403Z
02/06/9404:09:54
DX de N9JCL-6:   14024.0  3Y0PI      WORKED .0365                0409Z
02/06/9404:13:58
DX de KU0A:      14194.8  3Y0PI      LISTNING 14200              0425Z
02/06/9404:28:25
DX de W8KZM:     10101.6  3Y0PI       WRKED 10118.0              0433Z
02/06/9404:35:46
DX de WB9Z:       3785.0  3Y0PI      QSX 3800 up                 0434Z
02/06/9404:37:35
DX de N9JCL-6:   14024.0  3Y0PI      WORKED .0365                0409Z
02/06/9404:42:36
DX de KU0A:      14194.8  3Y0PI      LISTNING 14200              0425Z
02/06/9404:42:38
DX de W8KZM:     10101.6  3Y0PI       WRKED 10118.0              0433Z
02/06/9404:42:49
```

```
DX de WB9Z:        3785.0  3Y0PI        QSX 3800 up                    0434Z
02/06/9404:42:50
DX de W9TA:       14194.9  3Y0PI        WORKED @ 14200.1               0441Z
02/06/9404:46:06
DX de W8KZM:       3785.0  3Y0PI         3800-05   ON 2'S             0451Z
02/06/9404:54:24
DX de WD8NSD:      3785.0  3Y0PI        #1'S ON 3805                  0446Z
02/06/9404:54:40
DX de WD8NSD:      3785.0  3Y0PI        3800-3805 ON #2'S             0453Z
02/06/9405:04:13
DX de AA8HZ:      14024.0  3Y0PI        14035.05 LITE PILEUP          0515Z
02/06/9405:17:27
DX de WU8A:       14024.0  3Y0PI        QSX 14038.1 #300 !!!!!!!      0533Z
02/06/9405:33:11
DX de K8JJC:      10101.6  3Y0PI                                      0531Z
02/06/9405:34:33
DX de NI8K:       14200.0  3Y0PI        QSX 14.20 Open,GUD SI         0533Z
02/06/9405:36:40
DX de NI8K:       14195.0  3Y0PI        QSX 14200.00 Sorry,           0534Z
02/06/9405:39:41
DX de K8JJC:      10101.7  3Y0PI        QRN/QRM THERE.QSX 118-125     0537Z
02/06/9405:40:36
DX de NW8F:       14024.0  3Y0PI        WRKED AT .036.4               0539Z
02/06/9405:45:40
DX de KZ8E:       10101.5  3Y0PI        qsx 10123.6                   0602Z
02/06/9406:01:23
DX de N8CQA:      10101.5  3Y0PI        qrt'd                         0617Z
02/06/9406:17:42
DX de WY9E:        3800.0  3Y0PI        DN...wkg EUROPE               0634Z
02/06/9406:35:36
DX de WY9E:        3800.0  3Y0PI        U.S. 3780-3790                0724Z
02/06/9407:23:43
DX de KB8LM:       7060.0  3Y0PI        UP                            0729Z
02/06/9407:30:01
DX de K8JJC:       7060.0  3Y0PI        QSX 7.160                     0727Z
02/06/9407:30:29
DX de K8JP:        7053.0  3Y0PI        QSX 7161.30 MOVED FM QR       0736Z
02/06/9407:41:26
DX de KB8LM:       3800.0  3Y0PI                                      0745Z
02/06/9407:46:42
DX de KB8LM:       3800.0  3Y0PI        3780 TO 90                    0749Z
02/06/9407:50:29
DX de K9GS:        7053.0  3Y0PI        QSX 7161                      0804Z
02/06/9408:07:56
DX de K8JP:        3799.9  3Y0PI        QSX 3787.41                   0802Z
02/06/9408:08:08
DX de WD8MQY:      7053.0  3Y0PI                                      0827Z
02/06/9408:33:48
```

```
DX de KB8LM:      3800.0  3Y0PI       QSX 3780.00                        0853Z
02/06/9408:54:51
DX de W9ZRX:      3799.9  3Y0PI       QSX 3781.00 wkd                    0902Z
02/06/9409:06:59
DX de W9ZRX:     14195.0  3Y0PI       Begging                            0933Z
02/06/9409:37:39
DX de K8JP:      14194.7  3Y0PI       QSX 14210.00 BEGGING!              0948Z
02/06/9409:53:44
DX de NI8K:      14189.9  3Y0PI       Good time to Log em!              1143Z
02/06/9411:45:44
DX de K8MBH:     14189.9  3Y0PI       SED 80/160 CW TMRW                1209Z
02/06/9412:08:17
DX de NI8K:      18145.0  3Y0PI       Weak in SW Ohio                   1245Z
02/06/9412:49:05
DX de AA8FE:     21295.0  3Y0PI       QSX 300-310                       1308Z
02/06/9413:09:48
DX de KD9EC:     21295.0  3Y0PI        ON 3'S AT THIS TIME              1347Z
02/06/9413:56:25
DX de WA8RXI:    21195.0  3Y0PI       QSX 21306.5                       1437Z
02/06/9414:38:23
DX de N8CLJ:     18074.3  3Y0PI       QSX UP                            1517Z
02/06/9415:19:18
DX de K8JP:      18073.8  3Y0PI       QSX 18075.80                      1518Z
02/06/9415:42:04
DX de N8KEM:     24895.0  3Y0PI                                         1543Z
02/06/9415:57:51
DX de WG8M:      21024.0  3Y0PI                                         1755Z
02/06/9417:56:29
DX de WD8MQY:    21024.0  3Y0PI                                         1816Z
02/06/9418:22:20
DX de WG8M:      21024.0  3Y0PI       UNDER FOC'ERS                     1921Z
02/06/9419:23:19
DX de KJ8G:      21295.0  3Y0PI       RX 310 CLG CQ                     2151Z
02/06/9421:52:24
DX de AG8L:      18075.0  3Y0PI       wkd 076.5 Cq Cq                   2214Z
02/06/9422:17:46
DX de AG8L:      18075.0  3Y0PI       Begging                           2216Z
02/06/9422:20:02
DX de N8BIB:     14195.0  3Y0PI                                         2259Z
02/06/9423:00:20
DX de WB8RJX:    14195.0  3Y0PI       WEAK                              2308Z
02/06/9423:10:22
DX de K8JJC:     18074.1  3Y0PI       WK HR.                            2313Z
02/06/9423:23:07
DX de AA8BE:     18073.0  3Y0PI       wrking EU                         2331Z
02/06/9423:31:48
DX de WB9SAU:     1800.0  3Y0PI        TEST                             0036Z
02/07/9400:41:47
```

```
DX de W9YSX:    14195.0  3Y0PI      back in 5 min                      0208Z
02/07/9402:19:09
DX de K8BTH:     3523.0  3Y0PI      BIG PILEUP 25 AND UP               0409Z
02/07/9404:10:15
DX de WS8D:      3523.0  3Y0PI      working EU                         0608Z
02/07/9406:09:31
DX de WG8M:      3521.5  3Y0PI      UP                                 0736Z
02/07/9407:38:08
DX de KC8PG:     7007.0  3Y0PI      QSX UP5                            0959Z
02/07/9410:01:01
DX de KC8EU:    21295.0  3Y0PI       WRKG EUROPE                       1507Z
02/07/9415:09:18
DX de KC8EU:    28475.0  3Y0PI                                         1740Z
02/07/9417:42:23
DX de WB8RJX:   21295.0  3Y0PI                                         2031Z
02/07/9420:33:07
DX de WB8RJX:   24945.0  3Y0PI      JUST STARTING                     2032Z
02/07/9420:35:04
DX de WG8M:     21294.7  3Y0PI      WORKING 8'S SOON                  2159Z
02/07/9422:02:05
DX de N8CLJ:    21295.1  3Y0PI      300 310 8'S                       2258Z
02/07/9423:01:14
DX de K8LJG:    21294.7  3Y0PI      Just went to 9's                  2314Z
02/07/9423:16:18
DX de K3VCZ:    14195.0  3Y0PI      14.200 14.210                     2320Z
02/07/9423:22:14
DX de WA8RXI:   14195.0  3Y0PI      QSX 200-220 E-U-R-O-P-E fer NW 2322Z
02/07/9423:24:20
DX de N8BLD:    21295.0  3Y0PI      BACK AT IT AGN                    2323Z
02/07/9423:26:58
DX de KI6BU:    14195.0  3Y0PI      STILL NO CW                       2327Z
02/07/9423:36:56
DX de W8IQ:     14080.0  3Y0PI      RTTY REPORTED BY OTHERS           2336Z
02/07/9423:41:29
DX de KE9A:     21295.0  3Y0PI      5's                               2345Z
02/08/9400:03:10
DX de W6OA:     21294.7  3Y0PI      Back on Fives....                 0017Z
02/08/9400:20:39
DX de KA6ING:   14195.0  3Y0PI      200,210 EUROPE                    0021Z
02/08/9400:26:19
DX de KD6NDX:   14195.0  3Y0PI      e u r o p e  only                 0018Z
02/08/9400:26:30
DX de KE9A:     21025.0  3Y0PI      qsx 21030                         0012Z
02/08/9400:32:34
DX de VE3ZTH:   14195.0  3Y0PI      wrkd 215                          0142Z
02/08/9401:44:58
DX de KR8V:     10109.7  3Y0PI      QSX 10116.67                      0254Z
02/08/9402:56:07
```

```
DX de WD8MGQ:     3799.8  3Y0PI        QSX 3.780-3.790              0325Z
02/08/9403:25:57
DX de WG8M:       3800.0  3Y0PI        QSX 3795                     0823Z
02/08/9408:26:00
DX de K8DYZ:      7039.9  3Y0PI        qsx 7185.0                   0948Z
02/08/9409:50:24
DX de WD8PLE:    24945.0  3Y0PI                        test         1338Z
02/08/9413:38:44
DX de VE3ZTH:    14195.0  3Y0PI                                     1414Z
02/08/9414:16:38
DX de K8AJK:     28475.0  3Y0PI        UP 5+                        1808Z
02/08/9418:10:27
DX de VE3ZTH:    21024.0  3Y0PI                                     1838Z
02/08/9418:40:24
DX de VE3ZTH:    21024.0  3Y0PI        WRKD 25                      1852Z
02/08/9418:55:05
DX de KC8EU:     21296.9  3Y0PI         WILL BE OPERATIONAL IN 10 MIN 2134Z
02/08/9421:36:48
DX de KG8BZ:     21025.0  3Y0PI        UP                           2150Z
02/08/9421:52:59
DX de W2HPQ:     21025.5  3Y0PI        WKD 27.7                     2211Z
02/08/9422:17:06
DX de WD8O:      21025.5  LU4AA        Not 3Y0PI                    2215Z
02/08/9422:18:08
DX de WB8ZTV:    14082.9  3Y0PI        RTTY UP!                     2230Z
02/08/9422:41:18
DX de N8OCN:     21295.0  3Y0PI        TO HAVE OPERATOR IN TWO MINS 2237Z
02/08/9422:42:16
DX de N9ITX:     14080.1  3Y0PI        RTTY up                      2251Z
02/08/9422:55:58
DX de W2JGR:     14081.9  3Y0PI        RTTY QSY'D HERE. QSX UP      2301Z
02/08/9423:06:21
DX de W0IZ:      14081.9  3Y0PI         RTTY UP UP                  2318Z
02/08/9423:24:17
DX de WD8Y:      14023.9  3Y0PI                                     2333Z
02/08/9423:35:20
DX de WB5M:      14024.0  3Y0PIG       wkd 14.030.2                 2331Z
02/08/9423:39:13
DX de N8ABW:     14084.0  3Y0PI         **RTTY** UP                 2348Z
02/08/9423:51:28
DX de AA4M:      14081.9  3Y0PI        RTTY, listening up           2351Z
02/08/9423:59:09
DX de W9SZ:      14024.0  3Y0PI        UP                           2353Z
02/09/9400:03:52
DX de WA8BIJ:    14024.0  3Y0PI        sri but europe nly nw        0005Z
02/09/9400:08:05
DX de WA8BIJ:    14024.0  3Y0PI        nw taking ss                 0007Z
02/09/9400:09:52
```

```
DX de WT8S:      14084.0  3Y0PI      RTTY W WS9V CALLING REPEATEDLY 0000Z
02/09/9400:10:30
DX de WA2JQK:    14025.0  3Y0PI      WRKD 14036                     0020Z
02/09/9400:25:52
DX de KR8V:       3507.2  3Y0PI      QSX 3511.98                    0330Z
02/09/9403:33:13
DX de W9WAQ:      3507.0  3Y0PI      UP 4                           0351Z
02/09/9403:55:24
DX de AB8K:      14082.0  3Y0PI      RTTY                           0359Z
02/09/9404:10:26
DX de K8JJC:     10109.0  3Y0PI      UP 5. QRZ.                     0435Z
02/09/9404:36:11
DX de N9NS:       3506.9  3Y0PI      QSX up 5 or so                 0509Z
02/09/9405:18:25
DX de KB8LUJ:    14195.0  3Y0PI      working 4's to death, of cours 0131Z
02/10/9401:34:56
DX de W9II:       7022.0  3Y0PI      UP                             0145Z
02/10/9401:44:28
DX de W9UI:       7022.0  3Y0PI      worked 036.1                   0235Z
02/10/9402:39:05
DX de WB9TOW:     7022.0  3Y0PI      qsx 7032.2                     0250Z
02/10/9402:56:15
DX de N8EMV:      7022.0  3Y0PI      wrked 40.6                     0308Z
02/10/9403:11:13
DX de WB9YXY:     3796.0  3Y0PI      QSX 3785.0                     0322Z
02/10/9403:23:52
DX de W9UI:      14195.1  3Y0PI      on 6s then open                0324Z
02/10/9403:29:20
DX de WA9TPQ:     7022.0  3Y0PI      wrkd 7.0365                    0333Z
02/10/9403:35:49
DX de KB8LM:      3796.0  3Y0PI      QSX 3785.00 NEED CONFIR        0345Z
02/10/9403:46:18
DX de WB9YXY:     3799.9  3Y0PI      Moved...QSX 80-85              0415Z
02/10/9404:19:31
DX de W9VA:      14030.0  3Y0PI                                     0438Z
02/10/9404:40:02
DX de WG8M:       7022.1  3Y0PI      QSX UP                         0813Z
02/10/9408:13:45
DX de WG8M:       3800.0  3Y0PI      3794                           0816Z
02/10/9408:16:53
DX de N8IAG:     28475.0  3Y0PI      .480-.490                      1947Z
02/10/9419:46:09
DX de K8JJC:     28475.0  3Y0PI      BOB'S BACK. QSX 480-490.       2016Z
02/10/9420:17:35
DX de WD8PLE:    21295.0  3Y0PI       TEST                          2108Z
02/10/9421:07:19
DX de N8RGZ:     28475.0  3Y0PI      worked 28.484.0                2145Z
02/10/9421:47:10
```

```
DX de KC8PG:      21295.0  3Y0PI        GUD SIG                              2205Z
02/10/9422:06:47
DX de KR8V:       14024.0  3Y0PI                                             2245Z
02/10/9422:47:31
DX de K8JJC:      14024.0  3Y0PI        LAST STN WRKD 30.5                   2314Z
02/10/9423:15:25
DX de KG8BZ:      14023.0  3Y0PI        UP                                   0138Z
02/11/9401:38:30
DX de WA9AKT:     14087.5  V31JU        RTTY - No 3Y0PI yet!                 0145Z
02/11/9401:48:43
DX de WD0GHA:     14195.0  3Y0PI        QSX 205-215 WKED 205.23              0247Z
02/11/9402:52:46
DX de W9HLY:       7038.0  3Y0PI        wrking europe...                     0336Z
02/11/9403:38:19
--
Central Transport
central@msen.com
```

Mark Curran (curran@corona.med.utah.edu) wrote:
: Thanks for your reply Terry.
: Since the Vertical mail made it out to the usenet, I'll
: fill in the details. I'm interested in constructing a
: ground plane for 20 and/or 40 and was interested in
: finding out what has worked for others in terms or
: materials and layout. There is an artical from 1988
: QST describing elevated GP ants using 4 radials, rather
: than 120+ buried, and claiming good theoretical results.

I use a ground plane on 40 meters. It is full sized (33 feet long) and sits
on a 4 X 4 piece of wood buried in the ground. I have (for convenience only)
a tilt-over arrangement with the support. The aluminum tubing starts out
about 1 3/4 " and tapers as you go up. The base of the vertical is about
20 feet off the ground. I have had this same antenna 12 feet off the ground
with nearly good results. I have 6 radials draped off of it at about 45 degree
angles, and they are fastened to whatever I could find (trees, pvc pipe, etc).
My antenna puts me (on a DXing basis) in the second level in a pile-up. The
first level being those with 3 element full size beams at 120 feet, etc.
There has been occasions where I have beaten some of them out when the
propagation was favorable. In a nutshell, I will continue to use this antenna
until I (if ever) get to the 70-80 height with my tower. Then I would start

thinking about other antennas. If you don't put down a zillion radials, don't
even try mounting a vertical on the ground unless you are easily satisfied.
Some people claim that they have good results with a vertical on the ground,
but you can bet they don't work DX.

 The second best (in my opinion) antenna for the lower heights is the
loop or delta loop antenna. It is quieter on receive than a vertical.

 Doug N4IJ

: Specifically in my installation, I lack high supports
: for dipoles, zepps etc, and although my ladder line fed
: 80' flatop apparently works well, I was hoping to achieve
: a low angle of radiation and possibly better DX conditions
: by going vertical.

: A more appropriate forum for this is probably r.r.a.antenna,
: and I'd happily take comments to my e-mail box.

: Best 73s,

: Mark C.
: --
: --
:   8)
: Mark Curran   8)
: curran@corona.med.utah.edu   8) 8)
: Amateur Radio: KA1ODA/7   8) 8)
:   * 8) 8)
: Hey Baby, Wanna come over and pet my Piranha?   *   8)
: *   8)
: --

--

Doug Snowden
drs@ccd.harris.com
N4IJ

Date: 8 Feb 1994 17:29:29 GMT
From: agate!library.ucla.edu!europa.eng.gtefsd.com!news.umbc.edu!haven.umd.edu!
cs.umd.edu!mojo.eng.umd.edu!chuck@network.ucsd.edu
To: info-hams@ucsd.edu

References <Anthony_Pelliccio-070294092539@138.16.64.8>,
<2j6rtmINNf0s@abyss.West.Sun.COM>, <Anthony_Pelliccio-080294103950@138.16.64.8>
Subject : Re: N connectors (was Re: "Flexible" 9913 (Was - Re: Coaxial cab

In article <Anthony_Pelliccio-080294103950@138.16.64.8>
Anthony_Pelliccio@brown.edu (Tony Pelliccio) writes:
>
>I had forgotten the weather resistance issue. But you're right in that most
>land-mobile radios tend to use SO-239 instead of N. But buy a UHF repeater
>and guess what, N connectors. By the way, I've finally met an N connector
>that I like. It's for the 9913 and it's GREAT! You don't have to comb out
>braid, you don't have to go nuts with 9 different parts, etc. This one is
>two pieces, you strip the coax down a bit, screw it in, use a bit of solder
>and you're in business.

Yep, with this bastardized "N" connector, you get all of the bad
characteristics of a PL-259, and none of the good characteristics of
the N connecter.   A really fine connector!

(Hint, the worst things about the PL are soldering the braid, and lack of
weather resistance. The best things about the N are the solderless braid
connection, the physical strength, and the weather resistance.)

Chuck Harris - WA3UQV

Date: Fri, 11 Feb 1994 21:51:17 GMT
From: elroy.jpl.nasa.gov!swrinde!cs.utexas.edu!howland.reston.ans.net!
europa.eng.gtefsd.com!news.umbc.edu!eff!usenet.ins.cwru.edu!news.csuohio.edu!
vmcms.csuohio.edu!R0264@ames.arpa
To: info-hams@ucsd.edu

References <1994Feb9.031017.13806@ke4zv.atl.ga.us>, <CKz3I8.6M4@news.Hawaii.Edu>,
<2jbmp2$3jb@cville-srv.wam.umd.edu>uoh
Subject : Re: Morse code as words!

In article <2jbmp2$3jb@cville-srv.wam.umd.edu>
ham@wam.umd.edu (Scott Richard Rosenfeld) writes:

>
>I have been on CW for about 7 years. I first learned CW at age 14, and
>hear words like the, and, or, if, you, etc., etc.
     >>>>>>>><<<<<<<<<<
>
>And suffixes, like -ing, -est, -ier, and -er.

```
>
>Scott NF3I  Just takes time, I guess.  Throwing away the pencil is the key.

I'm getting there with short words and prefixes and suffixes.  However,
it has seemed to me that the "single-letter" stage was a necessary one for
me, and I still have to resort to it when hearing callsigns and wierd
abbreviations.  Also there are occasions where I copy with pencil and
paper, and then later by a process of inference, figure out what the stuff
means.  So, I don't think throwing away the pencil is good blanket advice
for everybody under all circumstances.  ----- Phil Emerson, AA8JO.


------------------------------


Date: Fri, 11 Feb 1994 15:42:23 -0500
From: agate!howland.reston.ans.net!cs.utexas.edu!asuvax!pitstop.mcd.mot.com!
mcdphx!schbbs!mothost!lmpsbbs!NewsWatcher!user@network.ucsd.edu
To: info-hams@ucsd.edu

References <Anthony_Pelliccio-070294092539@138.16.64.8>,
<2j6rtmINNf0s@abyss.West.Sun.COM>, <757@comix.UUCP>chbbs
Subject : Re: N connectors (was Re: "Flexible" 9913 (Was - Re: Coaxial cab

In article <757@comix.UUCP>, jeffl@comix.UUCP (Jeff Liebermann) wrote:

> In article <2j6rtmINNf0s@abyss.West.Sun.COM> myers@cypress.West.Sun.COM
> writes:
> >
> >N connectors also make an effort to be weather resistant where PL-259/SO-239
> >do not.  Land mobile radios seem to use SO-239 up to UHF (512MHZ max), then
> >N connectors (800/900, etc.).
>
> The Motorola Mostar 800Mhz trunked radio uses UHF connectors.
> As far as I know, it's the only 800Mhz radio that does.

No, almost every older 800 MHz radio used the UHF connector because
most  service technicians could not properly assemble any other style. This

changed when crimp-on connectors became available and reliable; that is
also when Cellular started using the TNC rather than N.

Now that the Mini-UHF is readily available you will see them on all kinds
of RF equipment. They are properly designed to maintain a near 50 ohm
impedance at MUCH higher frequencies than the old mis-named UHF models.
Of course if you want the ultimate in both small and low VSWR, try the SMA.


>                                                              It
> also uses an automotive trailer power connector wired backwards
```

> (exposed +12v), so I don't consider this to be an exemplary radio.

Take another look at that power cable. On the power source side the +12
is the protected lead, not exposed, and it's still the same on Motorola
products today. Don't go by the color code on the pigtail in your car -
I've found an awful lot of people who ignored red and black when they
bought cables surplus. The key is that the ground lead on the source is
exposed, the source is protected. If your radio isn't that way, it was
serviced by someone who put the connector on backwards when he finished
working on the board!

>
> Drivel: One of my favorite dumb stunts is to solder type N connectors
> on both ends of some stiff coax (9913) while still rolled into a tight
> coil. When I straighten out the coax, the center pins pop out.

Same thing happens even with the big stuff like 7/8", so ALWAYS unroll it
before you connectorize.

>
> --
> # Jeff Liebermann   Box 272   1540 Jackson Ave   Ben Lomond   CA   95005
> # 408.336.2558 voice wb6ssy@ki6eh.#nocal.ca.usa wb6ssy.ampr.org [44.4.18.10]
> # 408.699.0483 digital_pager   73557,2074 cis [don't]
> # jeffl@comix.santa-cruz.ca.us scruz.ucsc.edu!comix!jeffl

--
Karl Beckman, P.E.   < STUPIDITY is an elemental force for which >
Motorola Comm - Fixed Data   < no earthquake is a match. -- Karl Kraus >

Some of the opinions expressed above aren't even claimed by the author!
Amateur radio WA8NVW @ K8MR.NEOH.USA.NA   NavyMARS VBH @ NOGBN.NOASI

End of Info-Hams Digest V94 #141
****
****